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☐	L5	L4 and (bFGF or IGF or (TGF Beta) or VEGF)	32
☐	L4	L3 and (entactin and nidogen)	37
☐	L3	L2 and collagen and (type IV)	1478
☐	L2	L1 and laminin	1586
☐	L1	implant and (heparin sulfate)	17037

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=> S IMPLANT AND (HEPARIN SULFATE)
L1 409 IMPLANT AND (HEPARIN SULFATE)

=> S L1 AND LAMININ
L2 180 L1 AND LAMININ

=> S L2 AND COLLAGEN AND (TYPE IV)
L3 90 L2 AND COLLAGEN AND (TYPE IV)

=> S L3 AND (ENTACTIN AND NIDOGEN)
L4 7 L3 AND (ENTACTIN AND NIDOGEN)

=> S L4 AND (bFGF OR IGF OR (TGF Beta) OR VEGF)
L5 4 L4 AND (BFGF OR IGF OR (TGF BETA) OR VEGF)

=> S L5 AND (antibitoic or gentamycin)
L6 0 L5 AND (ANTIBITOIC OR GENTAMYCIN)

=> S L5 AND (antibiotic or gentamycin)
L7 1 L5 AND (ANTIBIOTIC OR GENTAMYCIN)

=> d l7 1 ibib abs

L7 ANSWER 1 OF 1 USPATFULL on STN
ACCESSION NUMBER: 2003:231619 USPATFULL
TITLE: Pluripotent embryonic-like stem cells, compositions, methods and uses thereof
INVENTOR(S): Young, Henry E., Macon, GA, UNITED STATES
Lucas, Paul A., Poughkeepsie, NY, UNITED STATES

NUMBER KIND DATE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003161817	A1	20030828
APPLICATION INFO.:	US 2001-820320	A1	20010328 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KLAUBER & JACKSON, 411 Hackensack Avenue, Hackensack, NJ, 07601
NUMBER OF CLAIMS: 32
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 87 Drawing Page(s)
LINE COUNT: 10419
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to pluripotent stem cells, particularly to pluripotent embryonic-like stem cells. The invention further relates to methods of purifying pluripotent embryonic-like stem cells and to compositions, cultures and clones thereof. The present invention also relates to a method of transplanting the pluripotent stem cells of the present invention in a mammalian host, such as human, comprising introducing the stem cells, into the host. The invention further relates to methods of in vivo administration of a protein or gene of interest comprising transfecting a pluripotent stem cell with a construct comprising DNA which encodes a protein of interest and then introducing the stem cell into the host where the protein or gene of interest is expressed. The present also relates to methods of producing mesodermal, endodermal or ectodermal lineage-committed cells by culturing or transplantation of the pluripotent stem cells of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l5 1-4 ibib abs

L5 ANSWER 1 OF 4 USPATFULL on STN
ACCESSION NUMBER: 2003:231619 USPATFULL
TITLE: Pluripotent embryonic-like stem cells, compositions, methods and uses thereof
INVENTOR(S): Young, Henry E., Macon, GA, UNITED STATES
Lucas, Paul A., Poughkeepsie, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003161817	A1	20030828
APPLICATION INFO.:	US 2001-820320	A1	20010328 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KLAUBER & JACKSON, 411 Hackensack Avenue, Hackensack, NJ, 07601
NUMBER OF CLAIMS: 32
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 87 Drawing Page(s)
LINE COUNT: 10419
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to pluripotent stem cells, particularly to pluripotent embryonic-like stem cells. The invention further relates to methods of purifying pluripotent embryonic-like stem cells and to compositions, cultures and clones thereof. The present invention also relates to a method of transplanting the pluripotent stem cells of the present invention in a mammalian host, such as human, comprising introducing the stem cells, into the host. The invention further relates to methods of in vivo administration of a protein or gene of interest comprising transfecting a pluripotent stem cell with a construct comprising DNA which encodes a protein of interest and then introducing the stem cell into the host where the protein or gene of interest is expressed. The present also relates to methods of producing mesodermal,

endodermal or ectodermal lineage-committed cells by culturing or transplantation of the pluripotent stem cells of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER:	2002:272865 USPATFULL			
TITLE:	Extracellular matrix signalling molecules			
INVENTOR(S):	Lau, Lester F., Chicago, IL, UNITED STATES			
PATENT ASSIGNEE(S):	Munin Corporation (U.S. corporation)			
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002150986	A1	20021017	
APPLICATION INFO.:	US 2002-53753	A1	20020122	(10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-142569, filed on 2 Apr 1999, PENDING A 371 of International Ser. No. WO 1997-US4193, filed on 14 Mar 1997, UNKNOWN			
	NUMBER		DATE	
PRIORITY INFORMATION:	US 1996-13958P		19960315	(60)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	APPLICATION			
LEGAL REPRESENTATIVE:	Attention: Patent Administrator, KATTEN MUCHIN ZAVIS, Suite 1600, 525 West Monroe Street, Chicago, IL, 60661-3693			
NUMBER OF CLAIMS:	64			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	2 Drawing Page(s)			
LINE COUNT:	4297			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polynucleotides encoding mammalian ECM signalling molecules affecting the cell adhesion, migration. and proliferation activities characterizing such complex biological processes as angiogenesis. chondrogenesis. and oncogenesis, are provided. The polynucleotide compositions include DNAs and RNAs comprising part. or all. of an ECM signalling molecule coding sequence, or biological equivalents. Polypeptide compositions are also provided. The polypeptide compositions comprise mammalian ECM signalling molecules, peptide fragments, inhibitory peptides capable of interacting with receptors for ECM signalling molecules, and antibody products recognizing Cyr61. Also provided are methods for producing mammalian ECM signalling molecules. Further provided are methods for using mammalian ECM signalling molecules to screen for, and/or modulate. disorders associated with angiogenesis, chondrogenesis. and oncogenesis: ex vivo methods for using mammalian ECM signalling molecules to prepare blood products are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER:	2002:160542 USPATFULL			
TITLE:	Method of screening for a modulator of angiogenesis			
INVENTOR(S):	Lau, Lester F., Chicago, IL, United States			
PATENT ASSIGNEE(S):	Munin Corporation, Chicago, IL, United States (U.S. corporation)			
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6413735	B1	20020702	
	WO 9733995		19970918	
APPLICATION INFO.:	US 1999-142569		19990402	(9)
	WO 1997-US4193		19970314	

19990402 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-13958P	19960315 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Crouch, Deborah
ASSISTANT EXAMINER: Woitach, Joseph T.
LEGAL REPRESENTATIVE: Katten Muchin Zavis
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 4088
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polynucleotides encoding mammalian ECM signalling molecules affecting the cell adhesion, migration, and proliferation activities characterizing such complex biological processes as angiogenesis. chondrogenesis, and oncogenesis, are provided. The polynucleotide compositions include DNAs and RNAs comprising part, or all, of an ECM signalling molecule coding sequence, or biological equivalents. Polypeptide compositions are also provided. The polypeptide compositions comprise mammalian ECM signalling molecules, peptide fragments, inhibitory peptides capable of interacting with receptors for ECM signalling molecules, and antibody products recognizing Cyr61. Also provided are methods for producing mammalian ECM signalling molecules. Further provided are methods for using mammalian ECM signalling molecules to screen for, and/or modulate, disorders associated with angiogenesis, chondrogenesis, and oncogenesis; ex vivo methods for using mammalian ECM signalling molecules to prepare blood products are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 4 EUROPATFULL COPYRIGHT 2004 WILA on STN

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 888452 EUROPATFULL EW 200407 FS PS
TITLE: HUMAN CYR61, AN EXTRACELLULAR MATRIX SIGNALLING MOLECULE.
HUMANES CYR61, EIN SIGNALMOLEKUeL DER EXTRAZELLULAEREN MATRIX.
CYR61 HUMAINE, UNE MOLECULE DE SIGNALISATION DE MATRICE EXTRACELLULAIRE.
INVENTOR(S): LAU, Lester, F., 2677 N. Orchard Street, Chicago, IL 60614, US
PATENT ASSIGNEE(S): Munin Corporation, Chicago Technology Park, 2201 West Campbell Park Drive, Chicago, IL 60612, US
PATENT ASSIGNEE NO: 2393550
AGENT: Walton, Sean Malcolm et al., MEWBURN ELLIS, York House, 23 Kingsway, London WC2B 6HP, GB
AGENT NUMBER: 77071
OTHER SOURCE: MEPB2004007 EP 0888452 B1 0070
SOURCE: Wila-EPS-2004-H07-T1
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE
PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale Anmeldung)
PATENT INFORMATION:

PATENT NO	KIND	DATE

	EP 888452	B1 20040211
'OFFENLEGUNGS' DATE:		19990107
APPLICATION INFO.:	EP 1997-916018	19970314
PRIORITY APPLN. INFO.:	US 1996-13958	19960315
RELATED DOC. INFO.:	WO 199US7004193	970314 INTAKZ
	WO 1997033995	970918 INTPNR
REFERENCE PAT. INFO.:	EP 495674 A	WO 96-01896 A
	US 5408040 A	

REF. NON-PATENT-LIT.: T.P. O' BRIEN ET AL: "Expression of cyr61, a growth factor-inducible immediate-early gene" MOLECULAR AND CELLULAR BIOLOGY, vol. 10, no. 7, July 1990, WASHINGTON US, pages 3569-3577, XP002035375 cited in the application B.V. LATINKIC ET AL: "Promoter function and structure of the growth factor inducible immediate early gene CYR61" NUCLEIC ACIDS RESEARCH, vol. 19, no. 12, 1991, OXFORD GB, pages 3261-3267, XP002035376 M.L. KIREEVA ET AL: "CYR61, a product of a growth factor-inducible immediate-early gene, promotes cell proliferation, migration and adhesion" MOLECULAR AND CELLULAR BIOLOGY, vol. 16, no. 4, April 1996, WASHINGTON US, pages 1326-1334, XP002035377 cited in the application ROLF-PETER RYSECK ET AL: "Structure, mapping and expression of fisp-12, a growth factor-inducible gene encoding a secreted cysteine rich protein" CELL GROWTH AND DIFFERENTIATION, vol. 2, May 1991, pages 225-233, XP002035901 cited in the application G.P. YANG ET AL: "CYR61, product of a growth factor-inducible immediate early gene, is associated with the extracellular matrix and the cell surface" CELL GROWTH & DIFFERENTIATION, vol. 2, no. 7, July 1991, pages 351-357, XP002035902 cited in the application T.P. O'BRIEN ET AL: "Expression of zthe growth factor-inducible immediate early gene CYR61 correlates with chondrogenesis during mouse embryonic development" CELL GROWTH & DIFFERENTIATION, vol. 3, no. 9, September 1992, pages 645-654, XP002035903 cited in the application

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NEWS 6	MAR 03	MEDLINE and LMEDLINE reloaded
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